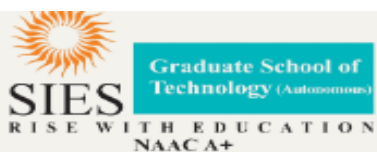


EXTC- News Letter



DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION July 24-Dec 24

The program of Bachelor of Engineering in Electronics and Telecommunication is being conducted in accordance with the course curriculum prescribed by University of Mumbai. Department has been NBA accredited from 2012-2014, 2021-2024, extended up to 30-06-2027 and NAAC accredited with A+ grade. The college management has always encouraged the student fraternity by announcing scholarships and cash awards for meritorious students. The department has an active IEEE Student chapter. Technical and Co-curricular activities are being conducted under IEEE on a regular basis.

The department of EXTC was started in 2002. Right from the inception of the institute, it has progressed rapidly, to be regarded, as one of the premiere departments with excellent infrastructure and dedicated faculty. Department is well equipped with laboratories. The department has highly qualified and competent faculty members who specialize in their areas of expertise, in order to give the students a holistic and pragmatic view of the present scenario of Electronics and Communication industry.

Vision and Mission of Electronics and Telecommunication Department

VISION

To be a Premier Department in Electronics & Telecommunications Engineering

MISSION

- To provide quality education satisfying the requirements of corporate world across diverse field.
- To develop life-long learning skills to cater to the socio-economic needs.
- To strengthen Industry-Institute Interaction to bridge the gap between academic and Industrial requirements.
- To equip students with leadership and entrepreneurial skills.

Editors

Prof. Vaishali Mangrulkar

Prof. Pratibha Joshi

Program Educational Outcomes (PEOs)

Graduates will be able to:

- 1.PEO1: Identify, formulate and solve engineering problems in the industry, complying with ethical standards and societal needs.
- 2.PEO2:Pursue higher studies and professional development courses leading to significant advancement in the field of specialization.
- 3.PEO3: Apply technical concepts to develop applications and design products.
- 4.PEO4: Exhibit leadership and entrepreneurial acumen in career.

Program Specific Outcomes (PSOs)

Students should able to

- 1.PSO1: Achieve eminence in domains like signal processing, VLSI, embedded IoT, RF & microwave.
- 2.PSO2: Become technocrats capable of working in multi- disciplinary fields.

Department Activities

- Organized Project Competition Cognition on 21/9/2024.
- Signed MoU with Inventronics Mumbai on 4/7/2024.
- Signed MoU with EnergySpeak ,Mumbai on 5/8/2024

Academic/ Technical achievements of students

- Ms. Perna Aswal , Runner up in Inter collegiate Badminton Tournament-Woman held Mumbai University in October 2024.
- Mr. Arghya Das, Mr. Rushikesh Sawant, Mr. Atharva Kotkar and Mr. Adinath Patil' were the winner of Cognition ,Project presentation held at SIES GST on 23rd October 2024.
- Mr. Krish Yagyik ,Mr. Dhurv Singh , Mr. Rohit Sharma and Ms. Perna Sharma our third year students wins second prize in Mini project competition for the project title "Audio Routing System" organized by A.C. Patil college of engineering., Kharghar on 18/10/2024.
- Mr.Aditya Dikonda ,Mr.Vedant Bhosale, Mr. Bobby Mehta and Mr.Raj Nimbalkar our third year students wins third prize in Mini project competition for the project title "2D Plotter" organized by A.C. Patil college of engineering., Kharghar on 18/10/2024.

- Mr. Aditya Dikonda secured a grant of Rs.10,000 for his startup AVBORT from SIES incubation center.

Faculty achievements

- Dr. Preeti Hemnani published paper "Real-time Monitoring and Analysis through Video Surveillance and alert generation for prompt and immediate response "in International Journal of Computer Science and Applications.
- Prof. Biju B. Presented a paper "Multilingual Voice Based Vending Machine" at the 2 nd IEEE International Conference on recent trends in Microelectronics, Automation, Computing and Communication Systems (ICMACC 2024) hosted by Circuits and Computing Branches of VNR Vignana Jyothi Institute of Engineering & Technology in association with IEEE Hyderabad Section, 19-21, December 2024.
- Dr. Preeti Hemnani published a paper "Optimizing Stroke Risk Prediction Using XGBoost and Deep Neural Networks" in International Journal of Computer Science and Applications(IJACSA).
- Dr. Preeti Hemnani presented paper ' Solar panel Fault detection using Machine learning and solar Tracker ' in ACOIT IEEE conference on 6/9/2024 .
- Prof. Vandana Sawant published a paper titled "A dynamic approach to sign language recognition" in IJRAR in July2024.

Students Development programs

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- Dr. Priti Hemnani and Dr. Swati Rane organized expert talk on topic "Job opportunities in VLSI/Semiconductor industry" by Mr.Uday Shankar ,Alumni 2007 pass out , Staff Engineer and Manager at Arm ,USA on 23/10/2024.
- Dr. Preeti Hemnani and Prof. Priyanka Kadam organized expert talk on Career opportunities in data science by Ms. Pranaita Nagpurkar ,Hexaware Technologies, Data Science Engineer on 28/8/2024.
- Dr. Swati Rane organized expert talk on" Career Opportunities in Cyber Security" by Mr. Yogesh Hudale, Director, Telenetworks Technologies Pvt. Ltd., Mumbai on 29/8/2024
- Prof. Biju Balkrishnan Organized IEEE Day 2024 celebration on 1/10/2024.
- Prof. Biju Balkrishnan Organized Technozine Annual Book Revealing Ceremony and IEEE Investiture ceremony on 4/10/2024.

- Prof.Biju Balkrishnan organized session on Carrier guidance and profile building by Tanvi Sharma,Senior counsellor at Collegepond on 24/7/2024 for all students.
- Prof.Biju B organized IEEE SIESGST” EPSILON 2024” 3-day international Technical Symposium during 14/9/2024 to 16/9/2024.
- Prof. Biju B organized IEEE SIESGST session on Blockchain : Beyond the Buzz "From Cryptos to Contracts"by Mr. Amit Chandra on 3/8/2024.
- Prof. Vaishali Mangrulkar organized a expert talk on IoT in Robotics by Mr. Manoj Kavedia,Kaizen Futuretech ,Mumbai on 19/9/2024.
- Prof. Vandana Sawant organized a expert talk on Product Engineering: Electronic System Design by Resource Person: Mr. Jatin Bhosale, Embedded Engineer, R&D Department, Endee Engineers, Mumbai, on 19/9/2024.
- Prof. Biju B organized a expert talk on Digital Mobile Communications: Revolutionizing Connectivity by Mr. Aiyappan pillai, Founder, Congruent Services, Mumbai on 14/8/2024.

Seminars/workshops attended by department

faculty:

- Dr. Preeti Hemnani ,Dr. Swati Rane ,Prof. Biju Balakrishnan , Prof. Vandana Sawant ,Prof.Pratibha Joshi and Prof. Priyanaka Kadam attended ISTE approved FDP on Generative AI during 9/12/2024 to 14/12/2024,organized by SIESGST.
- Prof.Vaishali Mangrulkar attended one Day Workshop on Academic Writing" held on July 24, 2024, organized by SIESLLD ,Conducted by Dr. Pratima Sheorey at Nerul.
- Dr. Swati Rane , Prof. Vandana Sawant , Prof.Shyamala Mathi and Prof. Vaishali Mangrulkar attended 3 days AICTEE's FDP on Universal Human Values ,organized by SIESGST during 21/8/2024 to 23/8/2024.
- Prof. Biju B. worked as a visiting Expert for Department Quality Assurance Committee at Fr. C. Rodrigues Institute of Technology, Navi Mumbai on 29/11/2024

Alumni Activity:

- Expert talk on “Job opportunities in VLSI/Semiconductor industry“ by Mr.Uday Shankar ,Alumni 2007 pass out , Staff Engineer and Manager at Arm ,USA on 23/10/2024.
- Mr. Arun Nadar and Mr. Medhansh Mahto,2020 passout alumni invited as a judge for SE and TE Project competition Cognition 2024.

